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**Fig. 1:** NEUCLEOTIDE SEQUENCES OF THE FORWARD AND REVERSE PCR PRIMERS USED IN THE AMPLIFICATION OF THE GENOMIC L-ASPARAGINASE SEQUENCES OF *WOLINELLA SUCCINOGENES*.

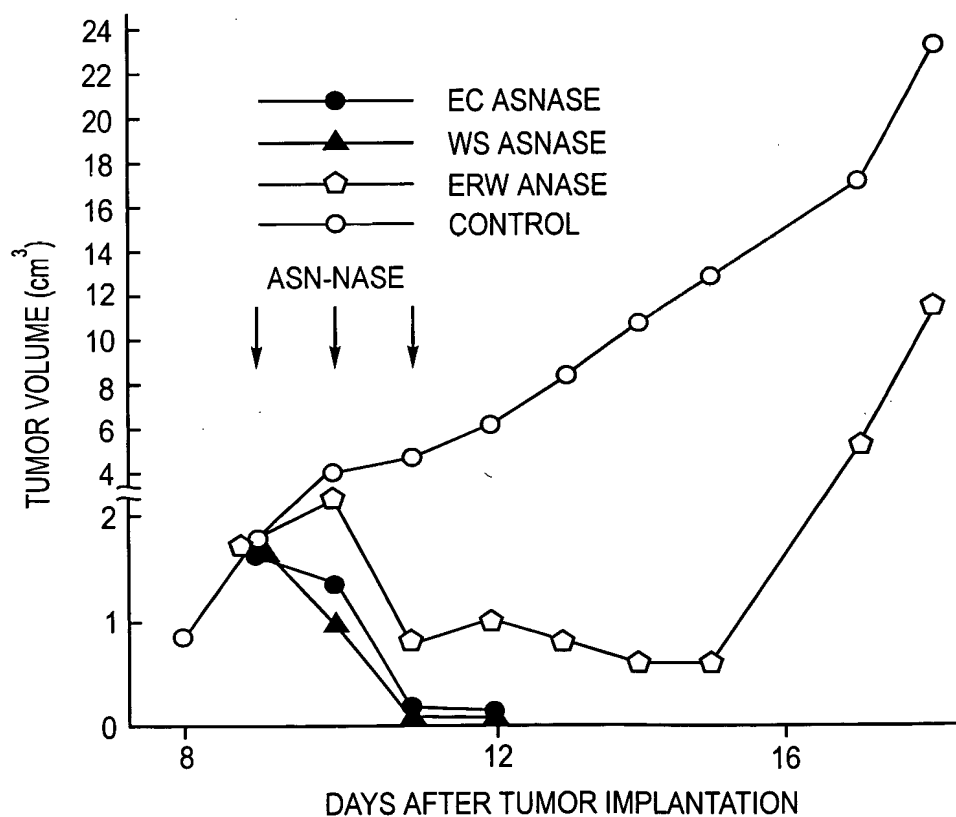
[SEQ ID NO. 1] - FORWARD PCR PRIMER (BamH1 SITE UNDERLINED)

5' - TCCGATCCAGCGCCTCTGTTTTGATGGCT- 3'

[SEQ ID NO. 2] - REVERSE PCR PRIMER (EcoR1 SITE UNDERLINED)

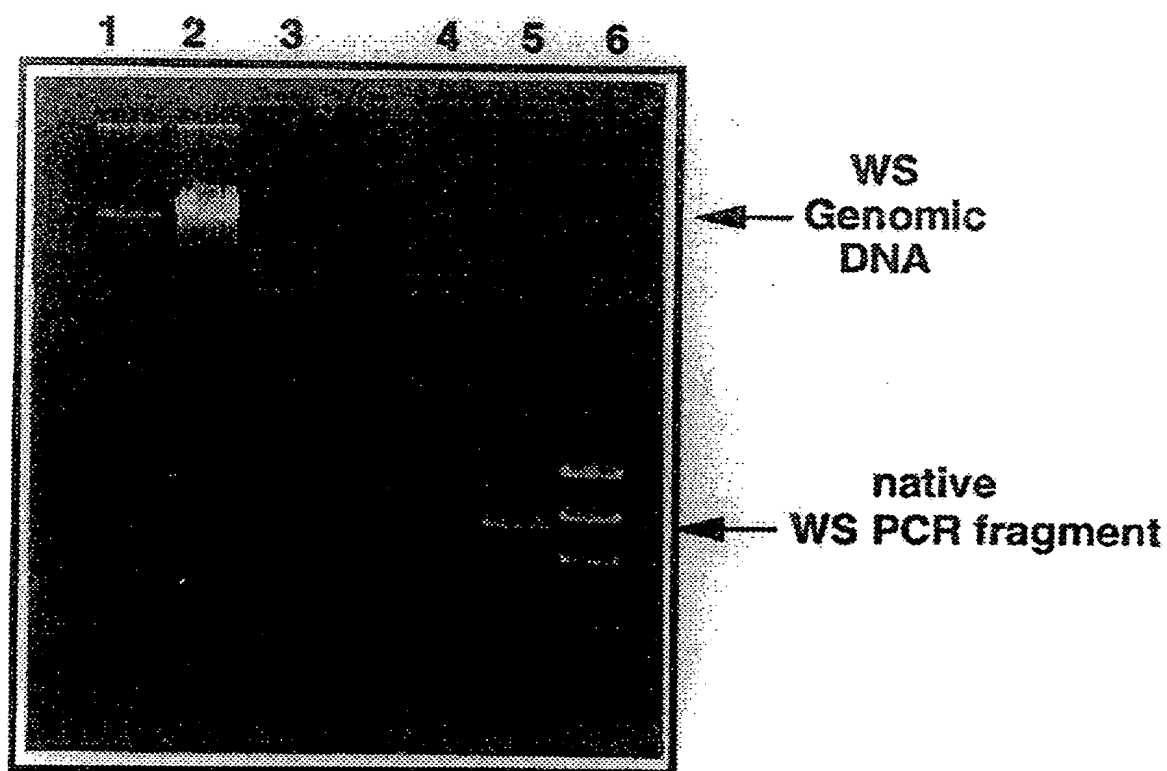
5' - TGGGAATTCGGTGGAGAAGATCTTTTGGAT- 3'

**Fig. 5:** DETERMINATION OF THE ANTI-TUMOR ACTIVITY OF THE *WOLINELLA SUCCINOGENES* (WS), *ESCHERICHIA COLI* (EC), AND *ERWINIA CAROTOVORA* (Erw) ASPARAGINASES AGAINST TUMORS GENERATED BY THE INJECTION OF 6C3HED GARDENER'S LYMPHOSARCAOMA CELLS IN C3H MICE



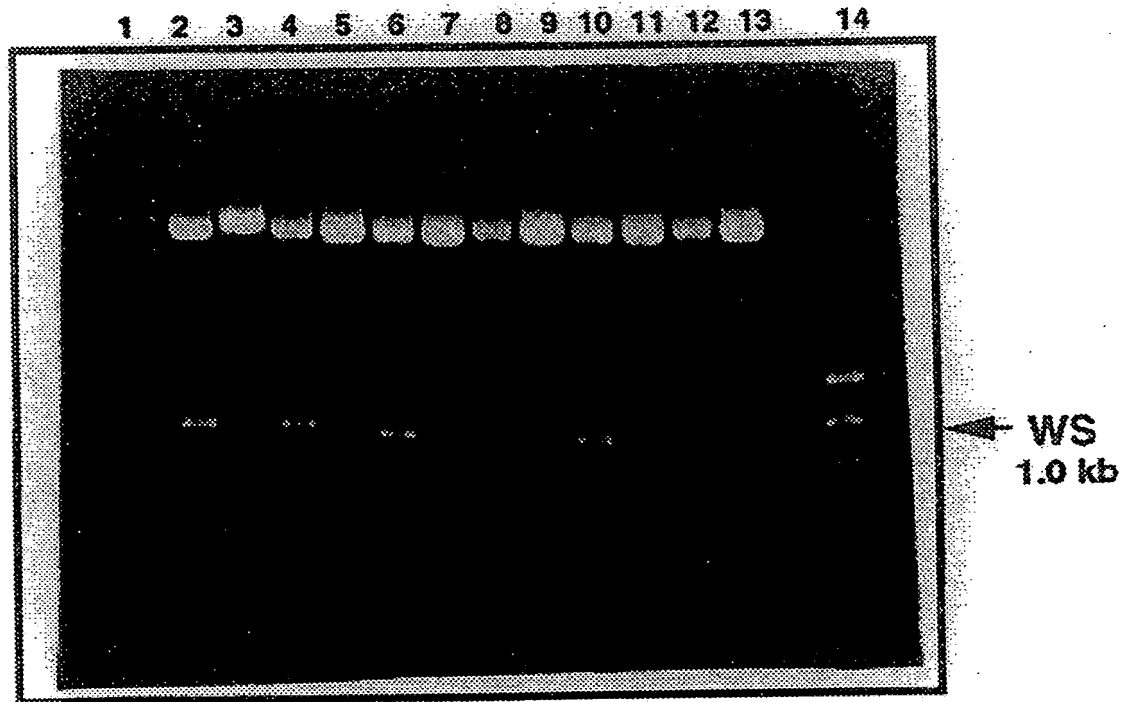
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FIG. 2.



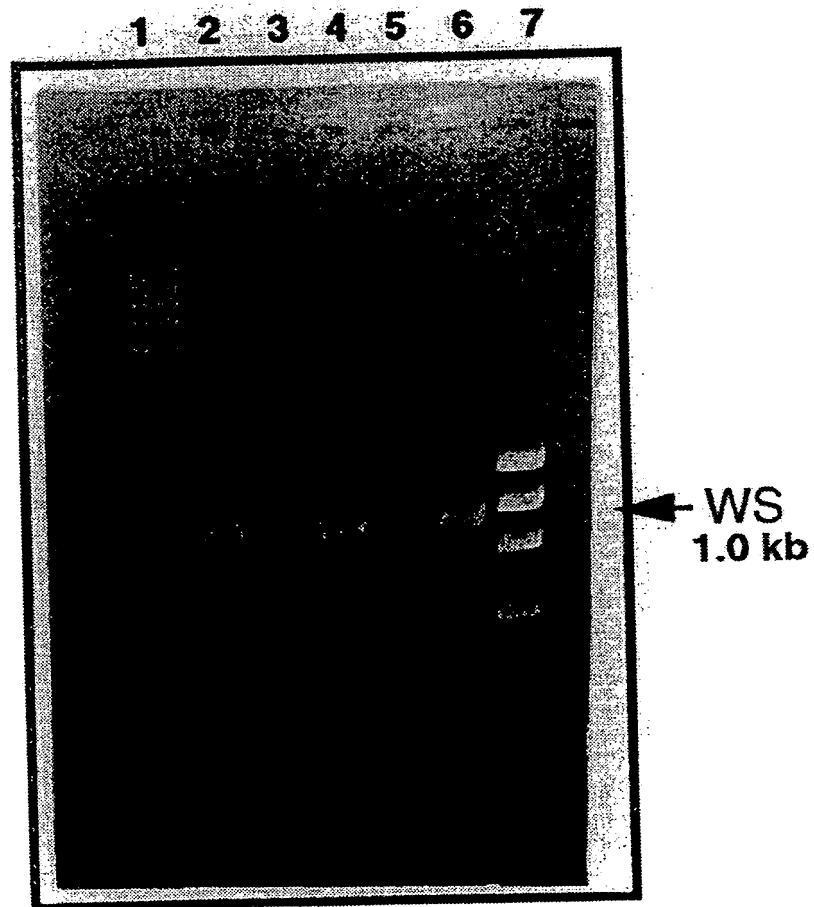
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FIG. 3.



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FIG. 4.

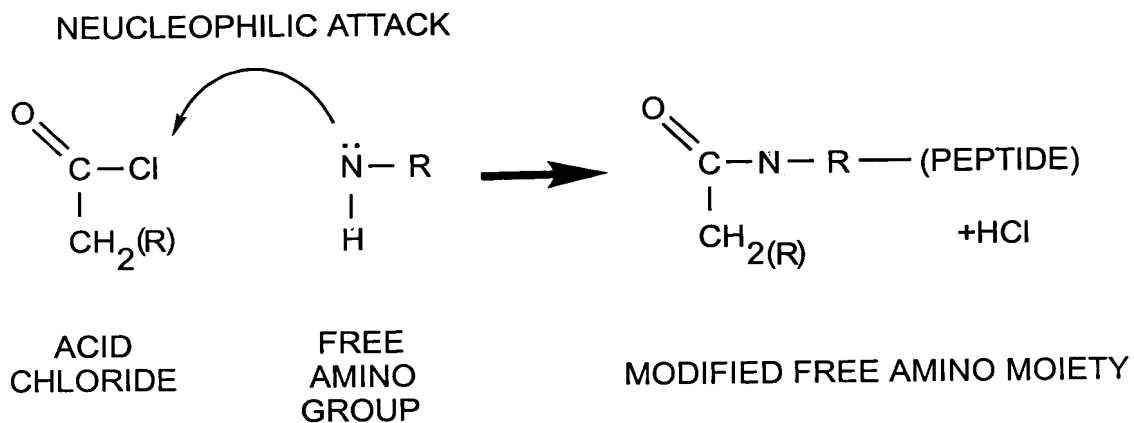


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ATG GGC AGC AGC CAT CAT CAT CAT CAT CAT AGC AGC GGC CTG GTG CCG  
 CGC GGC AGC CAT ATG GCT AGC ATG ACT GGT GGA CAG CAA ATG GGT CGC  
 GGA TCC AGC GCC TCT GTT TTG ATG GCT AAA CCC CAA GTG ACT ATC CTA  
 GCC ACA GGA GGC ACC ATC GCT GGT TCG GGG GAA TCT AGC GTC AAG AGT  
 AGC TAC TCT GCT GGA GCA GTC ACC GTT GAT AAG CTT CTT GCA GCC GTC  
 CCT GCC ATC AAC GAC CTA GCC ACC ATC AAG GGT GAA CAG ATC TCA AGC  
 ATT GGC TCC CAA GAG ATG ACG GGT AAG GTG TGG CTT AAA CTA GCC AAG  
 CGT GTC AAT GAG CTC CTC GCC CAA AAA GAG ACC GAA GCC GTG ATC ATC  
 ACC CAT GGA ACT GAC ACC ATG GAA GAG ACC GCT TTC TTC CTC AAC CTC  
 ACG GTG AAA AGC CAA AAA CCT GTC GTC CTT GTA GGC GCC ATG CGT CCA  
 GGC TCT TCC ATG AGT GCT GAT GGC CCC ATG AAT CTC TAT AAC GCC GTG  
 AAT GTA GCG ATC AAC AAA GCC TCT ACT AAC AAA GGA GTG GTG ATT GTG  
 ATG AAC GAT GAG ATT CAC GCC GCC AGA GAA GCG ACC AAG CTC AAC ACC  
 ACC GCA GTC AAT GCA TTT GCT TCG CCC AAC ACA GGT AAA ATC GGC ACA  
 GTC TAT TAT GGC AAA GTC GAG TAT TTC ACT CAA TCC GTT CGA CCT CAC  
 ACC CTT GCA AGT GAG TTT GAT ATT AGC AAA ATC GAA GAA CTC CCC AGA  
 GTC GAT ATT CTT TAC GCT CAC CCC GAT GAT ACT GAT GTT TTA GTC AAT  
 GCA GCC CTT CAG GCA GGA GCC AAA GGA ATC ATC CAT GCA GGC ATG GGC  
 AAT GGG AAC CCT TTC CCT TTG ACT CAA AAT GCT CTT GAA AAA GCA GCC  
 AAA TCA GGC GTA GTC GTC GCT CGA AGC TCT AGA GTG GGC AGT GGT TCC  
 ACC ACC CAA GAG GCT GAA GTG GAT GAT AAG AAA CTT GGT TTT GTG GCT  
 ACA GAG AGT CTC AAC CCT CAA AAA GGC AGA GTG CTT CTT ATG TTA GCC  
 CTC ACC AAA ACT AGT GAT AGA GAG GCG ATC CAA AAG ATC TTC TCC ACC  
 TAT TAA TCCAAGAAAGGGAATCTCTTCAC

Fig. 6

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pH 8.5 TO MAINTAIN PROTONATED  
STATE OF NITROGEN ATOM.

Fig. 7

PATIENT'S ANTIBODIES AGAINST E.coli ASPARAGINASE DO  
NOT CROSS REACT WITH WOLINELLA ASPARAGINASE

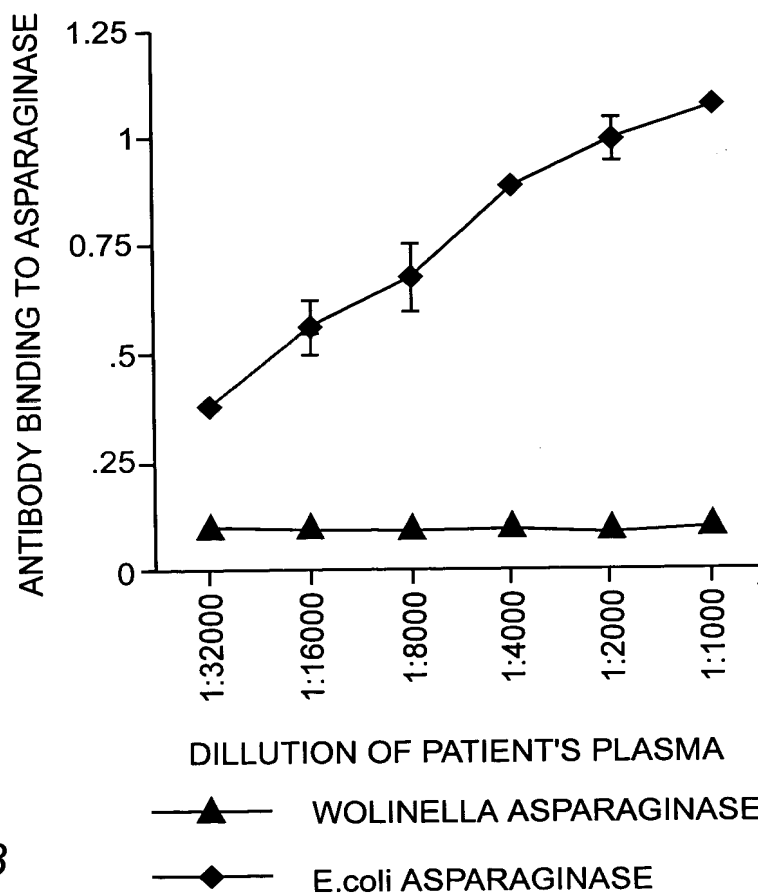


Fig. 8

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BINDING OF ASPARAGINASE BY RABBIT ANTI-E.coli ASPARAGINASE

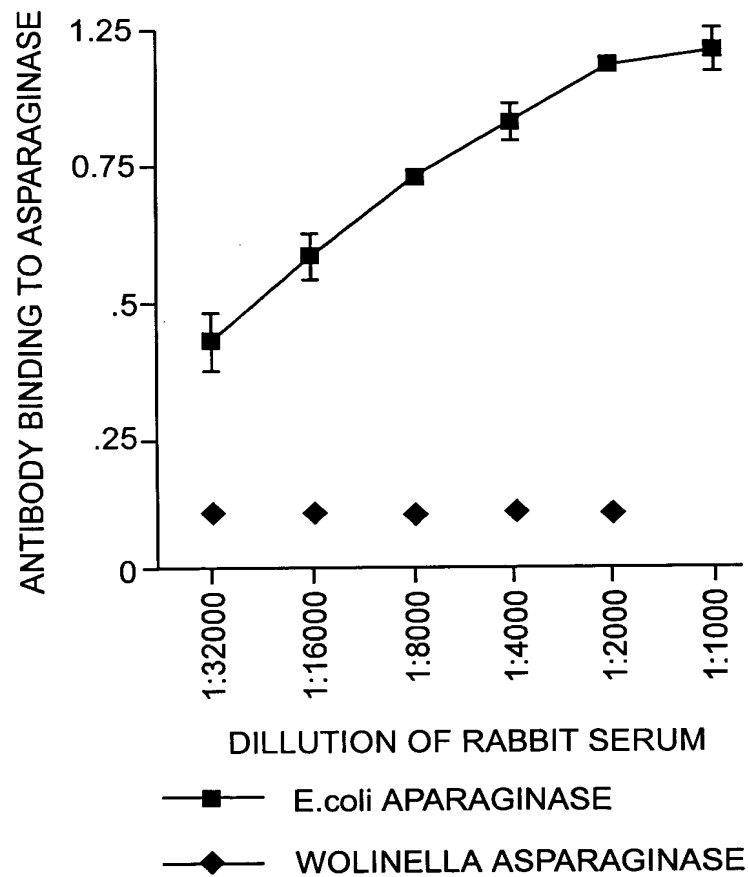
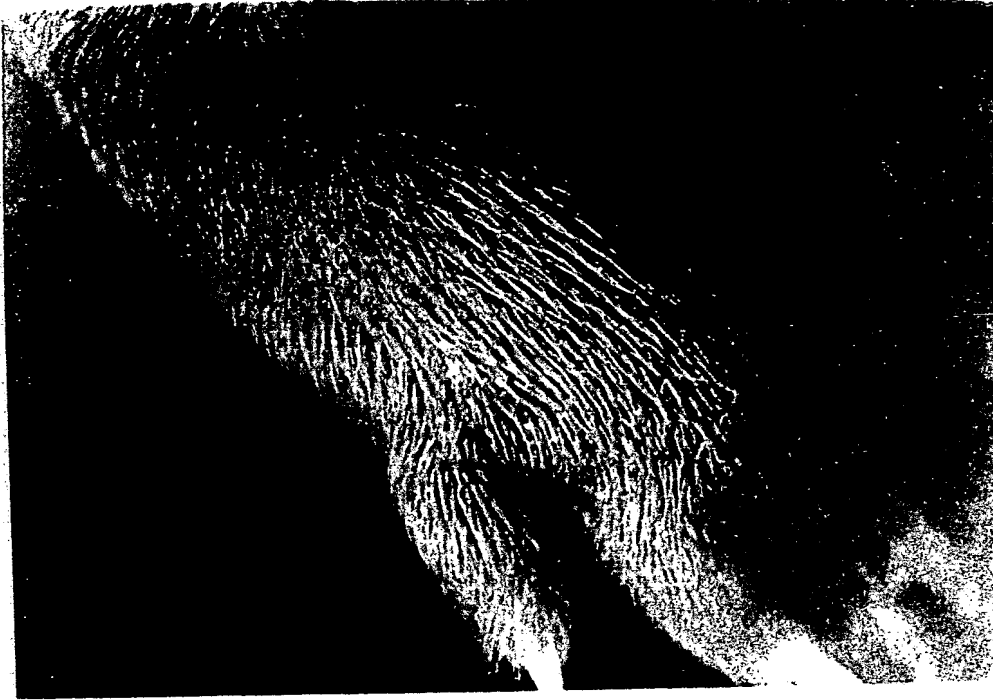


Fig. 9

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*FIG. 10A.*



*FIG. 10B.*





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TREATMENT OF CIA DBA/1 MICE WITH E.coli L-ASPARAGINASE  
(PILOT STUDY)

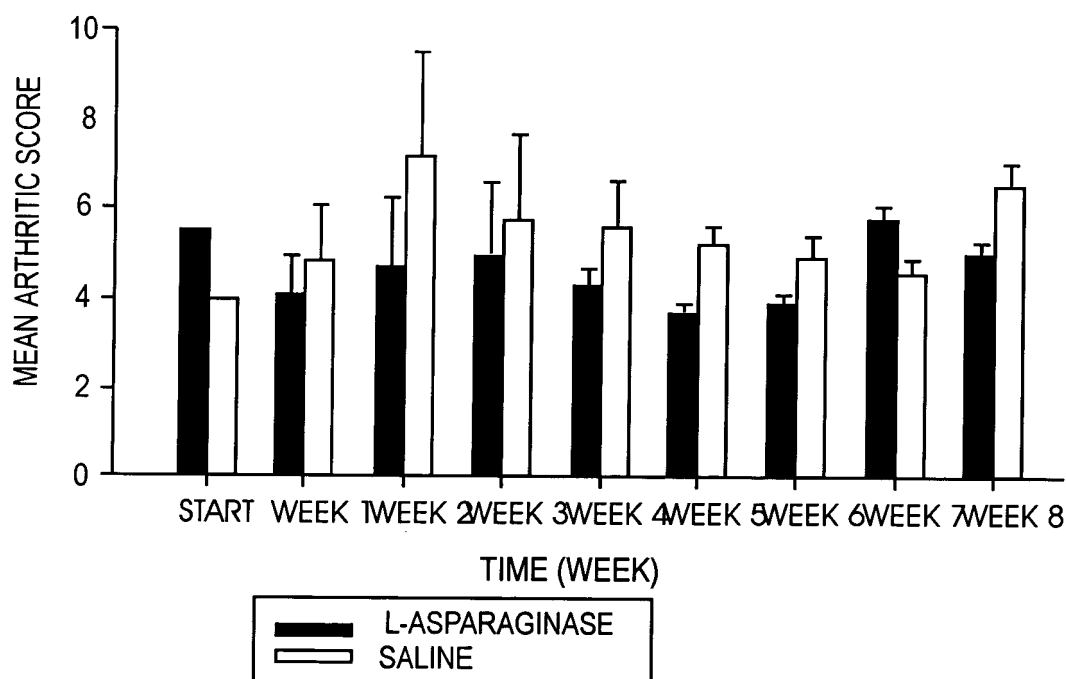


Fig. 11

MEAN ARTHRITIC SCORE (MAS) FOR DBA/1 MICE  
LPS MODEL

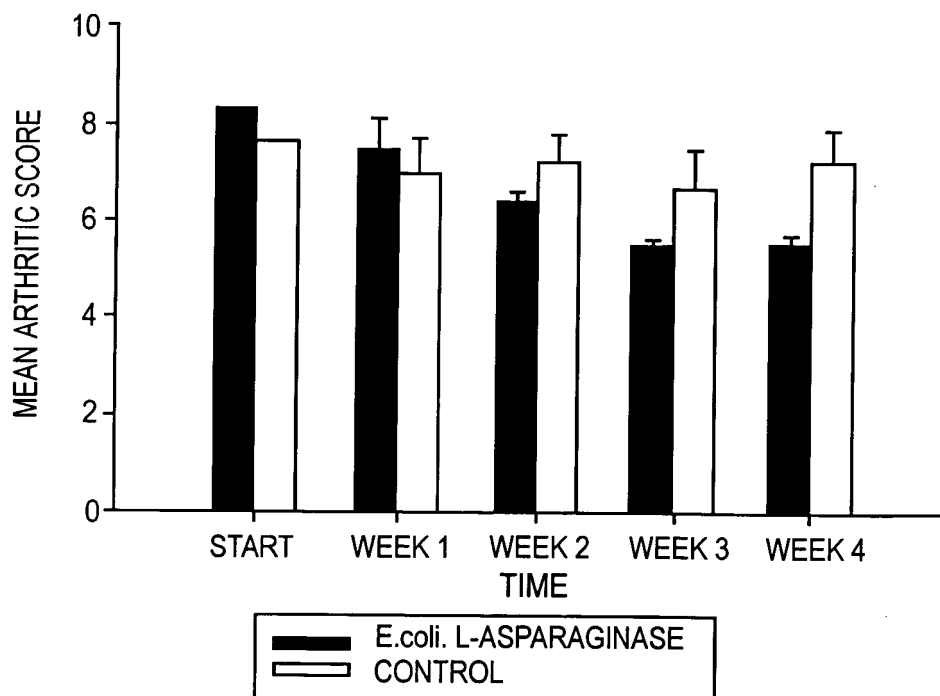


Fig. 12